

# North Carolina

DEPARTMENT OF TRANSPORTATION

## **North Carolina Turnpike Authority Board of Directors Meeting**

September 3, 2015

# North Carolina Turnpike Authority Board of Directors Meeting

September 3, 2015 - Presentation Agenda

- Triangle Expressway - 4<sup>th</sup> Quarter Operations Update
  - Andy Lelewski, PE
- Triangle Expressway - 4<sup>th</sup> Quarter Financial Update
  - David Roy
- Triangle Expressway – Customer Service Update
  - Susan Pullium
- Monroe Expressway – Construction Update
  - Andy Lelewski, PE & Rick Baucom, PE
- 2016 Triangle Expressway Toll Schedule
  - Beau Memory

# FY 2015 - Fourth Quarter Update TriEx Operations

**Andy Lelewski, PE**

Director of Toll Road Operations

# FY 2015 - Fourth Quarter Update

## Agenda

- Mainline Traffic Statistics
- Roadside Maintenance Statistics
- Toll Transaction Statistics

# FY 2015 - Fourth Quarter Update

## Triangle Expressway Mainline Traffic Statistics

Q4 2014 AWT = 11,970

Q4 2015 AWT = 15,410

29 % Increase in Traffic

Q4 2014 AWT = 21,030

Q4 2015 AWT = 26,610

27% Increase in Traffic

Q4 2014 AWT = 33,440

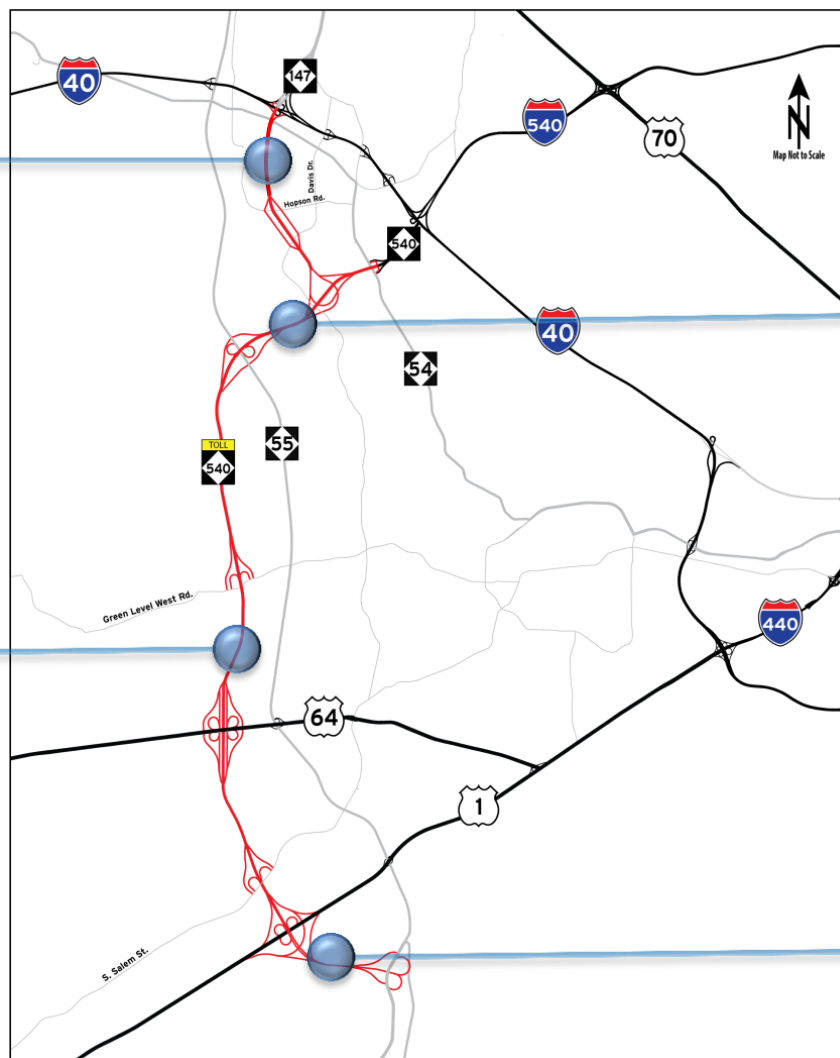
Q4 2015 AWT = 39,430

18% Increase in Traffic

Q4 2014 AWT = 12,200

Q4 2015 AWT = 15,070

24% Increase in Traffic



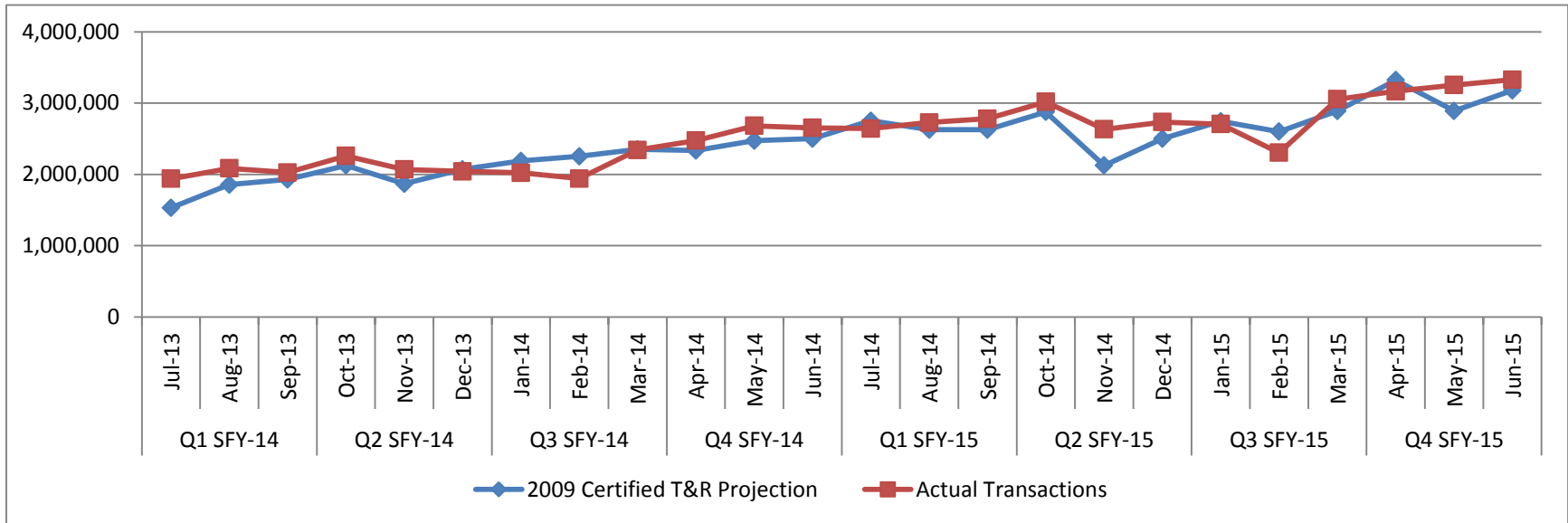
# FY 2015 - Fourth Quarter Update

## Triangle Expressway Roadside Maintenance Statistics

|  | Q4 2014     | Q1 2015     | Q2 2015     | Q3 2015     | Q4 2015     |
|--|-------------|-------------|-------------|-------------|-------------|
| <b>Road Surface</b>                      | 96.8        | 89.9        | 93.3        | 98.8        | 97.6        |
| <b>Unpaved Shoulders<br/>and Ditches</b> | 87.6        | 92.9        | 94.6        | 100.0       | 96.6        |
| <b>Drainage Structures</b>               | 93.3        | 91.3        | 82.5        | 93.0        | 93.4        |
| <b>Roadside</b>                          | 84.7        | 87.6        | 83.2        | 88.1        | 86.6        |
| <b>Traffic Control Devices</b>           | 86.1        | 85.0        | 82.1        | 84.4        | 96.8        |
| <b>Overall</b>                           | <b>89.8</b> | <b>88.6</b> | <b>86.8</b> | <b>92.0</b> | <b>94.7</b> |

# FY 2015 - Fourth Quarter Update

## Triangle Expressway Transaction Statistics



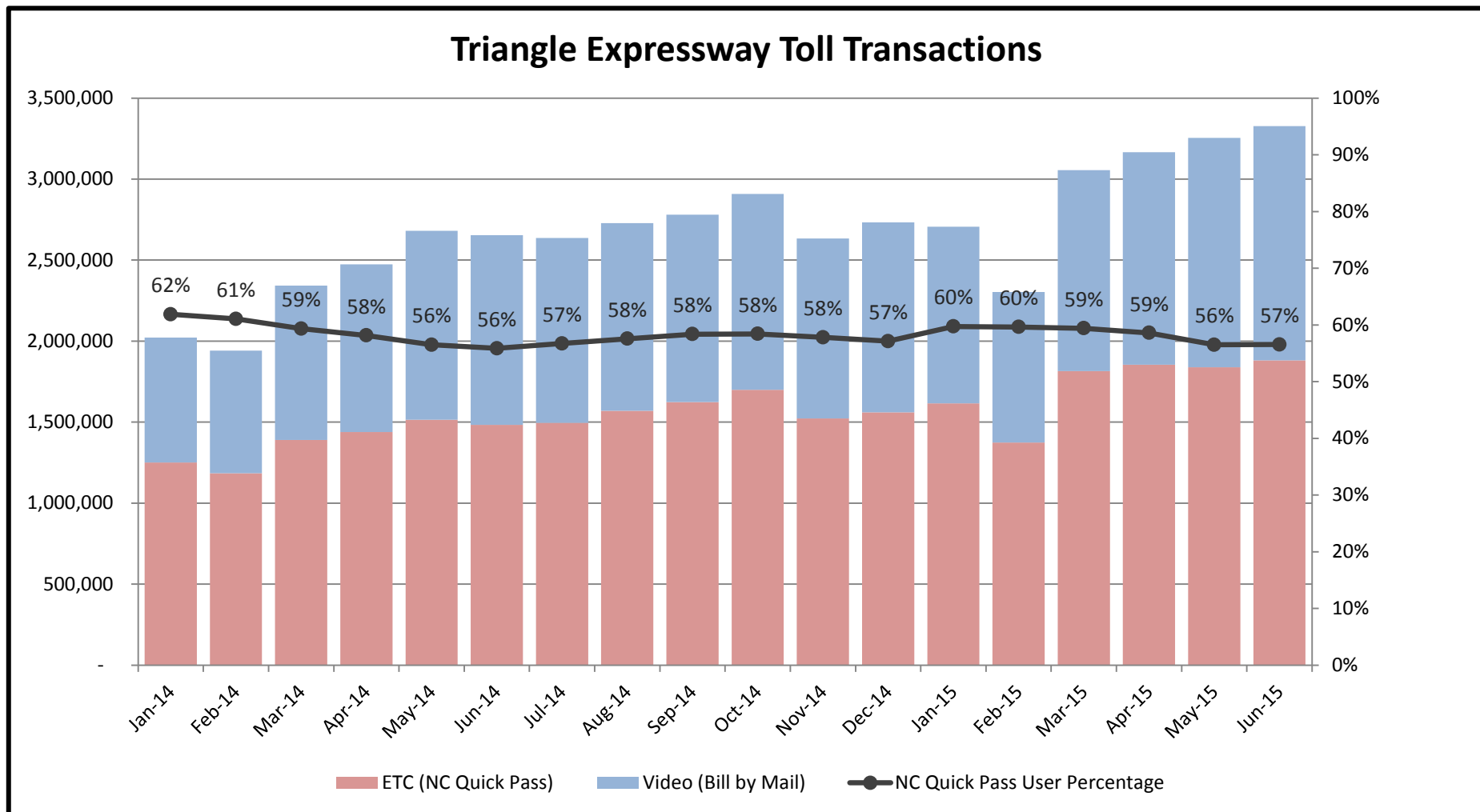
|  | Q1 SFY-14 | Q2 SFY-14 | Q3 SFY-14 | Q4 SFY-14 | Q1 SFY-15 | Q2 SFY-15 | Q3 SFY-15 | Q4 SFY-15 |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| <b>Actual Transactions</b>                           | 6,050,465 | 6,369,239 | 6,306,133 | 7,809,224 | 8,150,134 | 8,384,818 | 8,063,472 | 9,747,177 |
| <b>2009 Certified T&amp;R Projection<sup>1</sup></b> | 5,316,445 | 6,061,929 | 6,792,657 | 7,306,969 | 8,003,596 | 7,503,370 | 8,234,180 | 9,389,855 |
| <b>Delta (\$)</b>                                    | 734,020   | 307,310   | (486,524) | 502,255   | 146,538   | 881,448   | (170,708) | 357,322   |
| <b>Percent of Actual vs. Projection</b>              | 114%      | 105%      | 93%       | 107%      | 102%      | 112%      | 98%       | 104%      |

<sup>1</sup>Target monthly revenue data based on annualized numbers contained in the 2009 Certified Traffic and Revenue Report developed by CDM Smith

Note: The data provided in this Summary is unaudited and intended for use as general information only.

# FY 2015 - Fourth Quarter Update

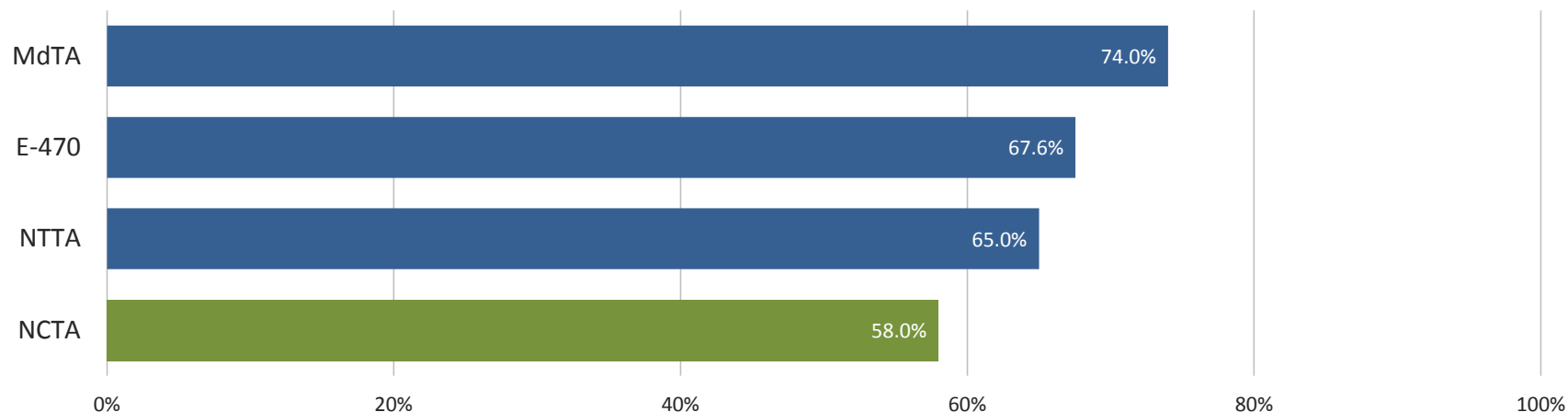
## Triangle Expressway Toll Transactions by Type





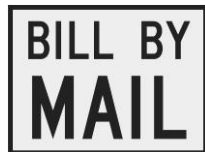
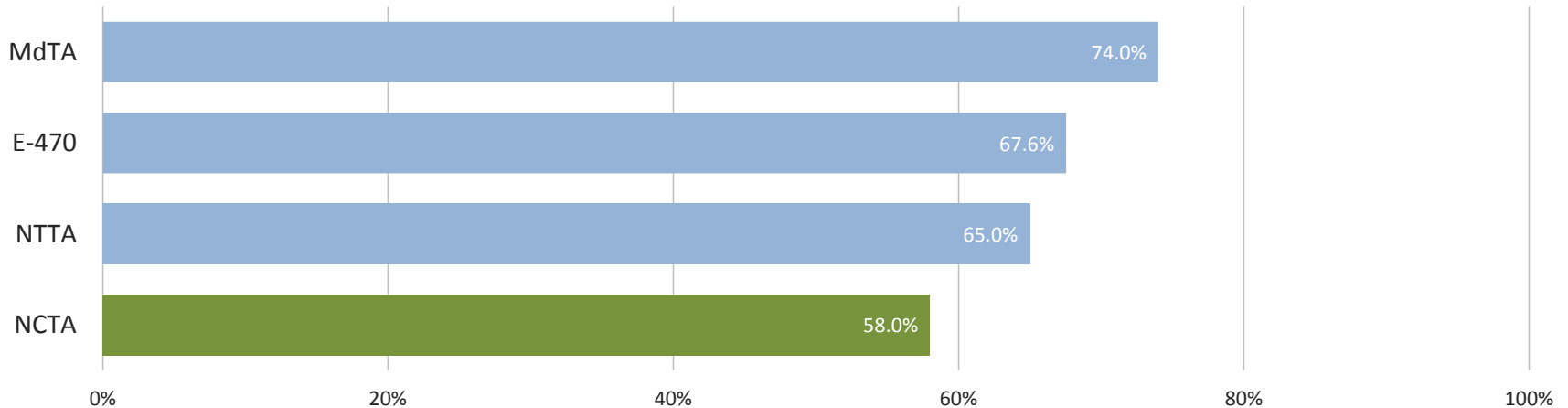
# Transponder User Percentage

## All-Electronic Tolling (AET) Facilities



# Transponder User Percentage

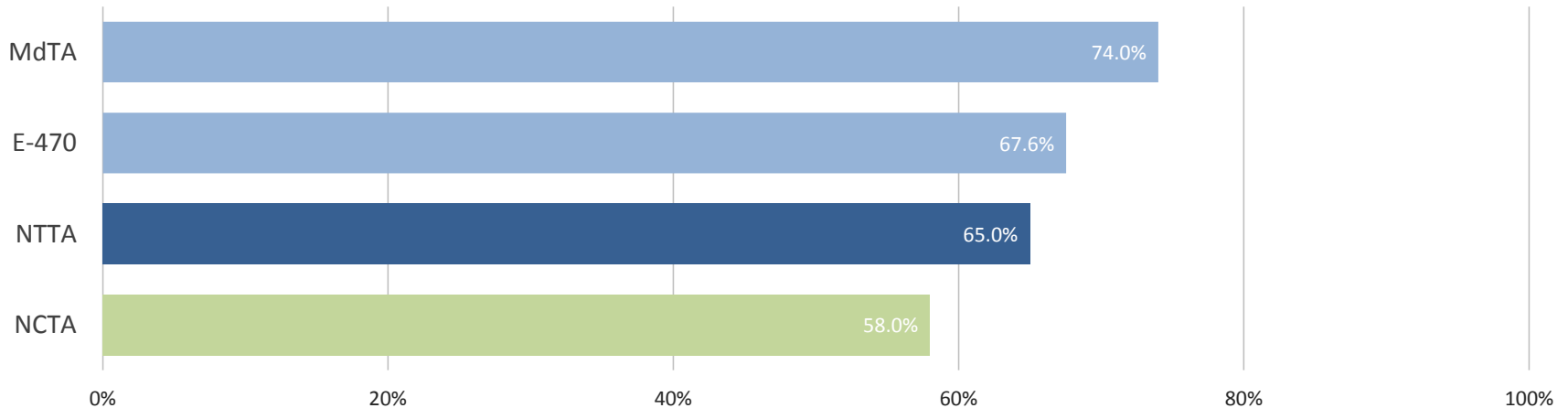
North Carolina Turnpike Authority (NCTA)



- Triangle Expressway opened in 2012 (AET)
- Transponder program introduced in 2012
- 35% discount for NC Quick Pass transactions

# Transponder User Percentage

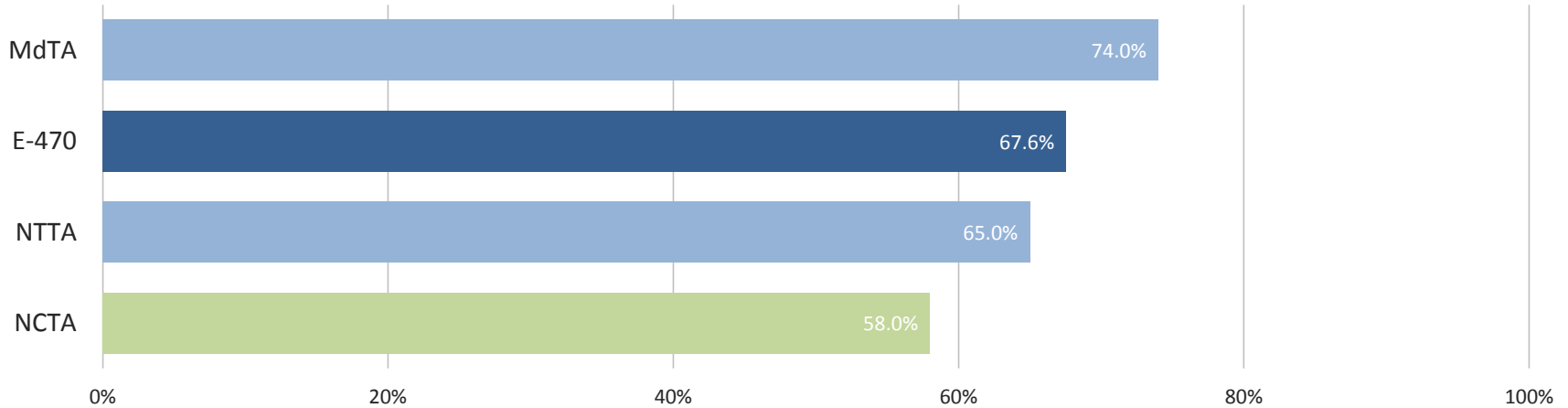
North Texas Tollway Authority (NTTA)



- Dallas North Tollway opened in 1968
- Transponder program since 1989
- AET integration starting in 2008
- 50%+ premium for ZipCash transactions

# Transponder User Percentage

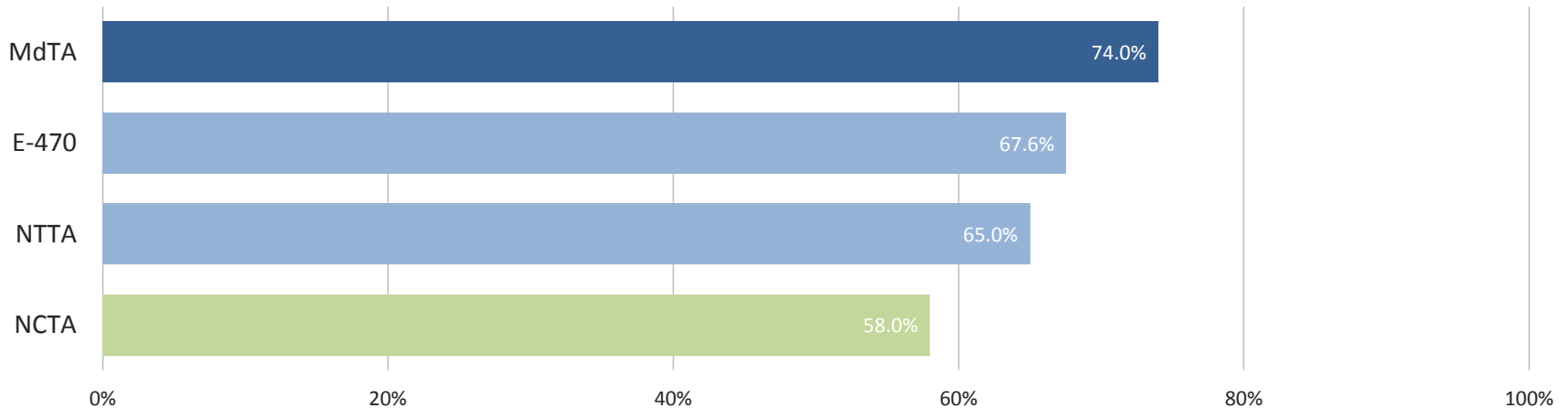
E-470 Public Highway Authority (Colorado)



- First segment of E-470 opened in 1991
- Transponder program started in 1991
- AET conversion in 2009
- 25% premium for LicensePlateToll transactions

# Transponder User Percentage

## Maryland Transportation Authority (MdTA)



Maryland  
Transportation  
Authority

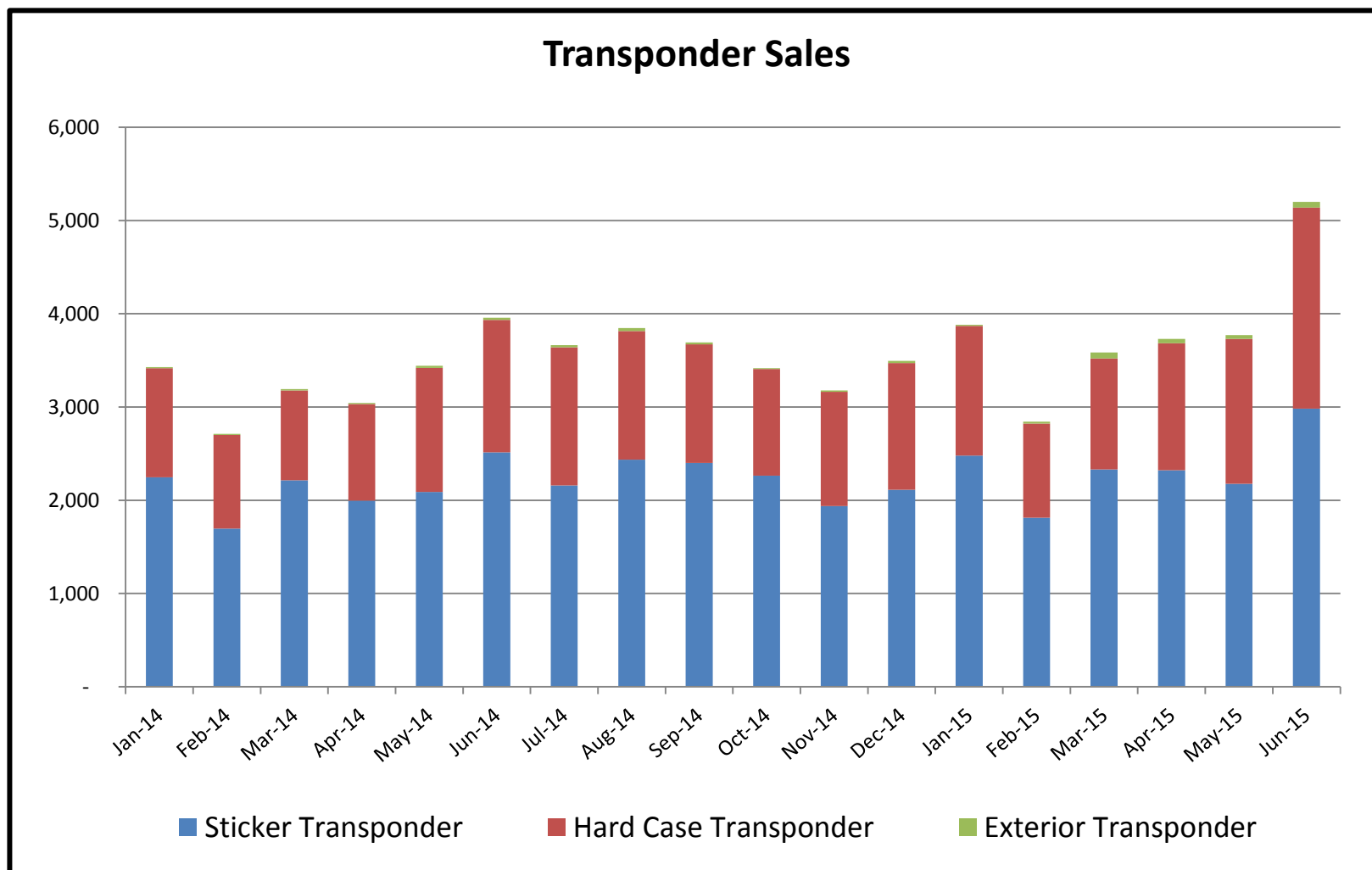


Video Toll

- Transponder program in Maryland since 1999
- First segment of ICC opened in 2011 (AET)
- 50% premium for video toll transactions (minimum toll of \$1.00)

# FY 2015 - Fourth Quarter Update

## Triangle Expressway Transponder Sales by Type



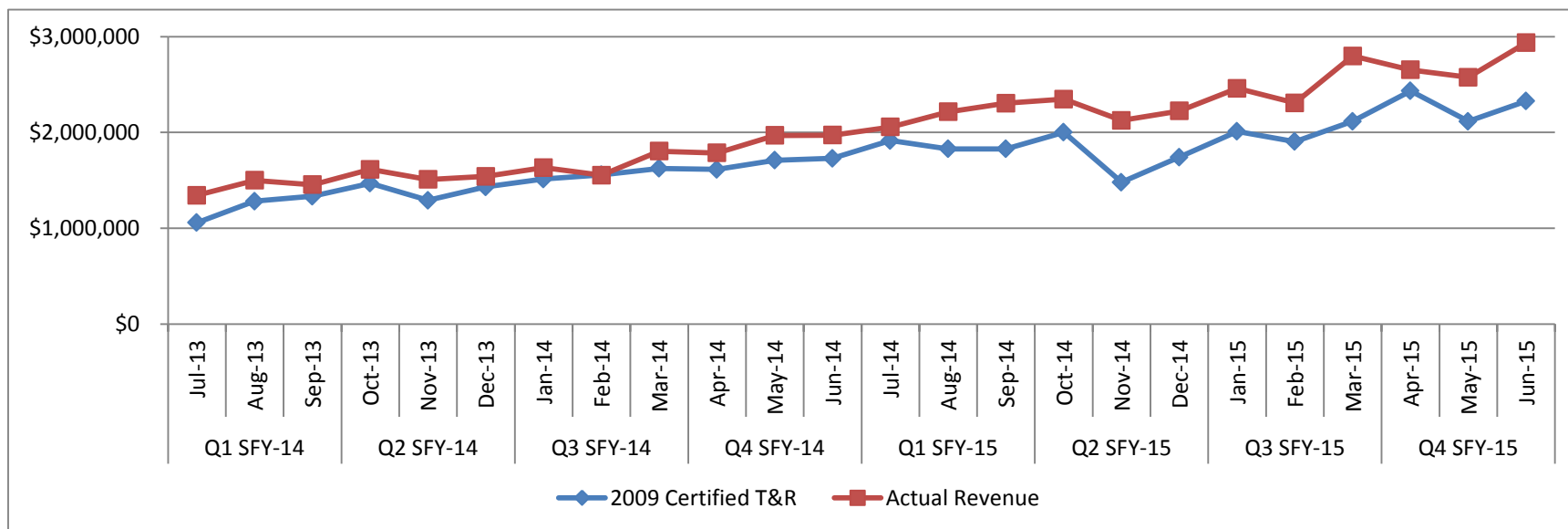
# FY 2015 - Fourth Quarter Update TriEx Financials

**David Roy**

Director of Finance and Budget

# TriEx Financial Update

## Revenue Statistics



|   | Q1 SFY-14   | Q2 SFY-14   | Q3 SFY-14   | Q4 SFY-14   | Q1 SFY-15   | Q2 SFY-15   | Q3 SFY-15   | Q4 SFY-15   |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>Actual Revenue<sup>1</sup></b>                     | \$4,295,730 | \$4,664,914 | \$4,989,599 | \$5,725,177 | \$6,575,724 | \$6,696,239 | \$7,563,900 | \$8,162,630 |
| <b>2009 Certified Traffic and Revenue<sup>2</sup></b> | \$3,676,314 | \$4,191,815 | \$4,697,112 | \$5,052,759 | \$5,571,755 | \$5,223,522 | \$6,031,125 | \$6,877,599 |
| <b>Delta (\$)</b>                                     | \$ 619,416  | \$ 473,099  | \$ 292,487  | \$ 672,418  | \$1,003,969 | \$1,472,717 | \$1,532,775 | \$1,285,031 |
| <b>Percent of Actual vs. 2009 Base Case</b>           | 117%        | 111%        | 106%        | 113%        | 118%        | 128%        | 125%        | 119%        |

<sup>1</sup>Actual revenue is reported on a cash basis

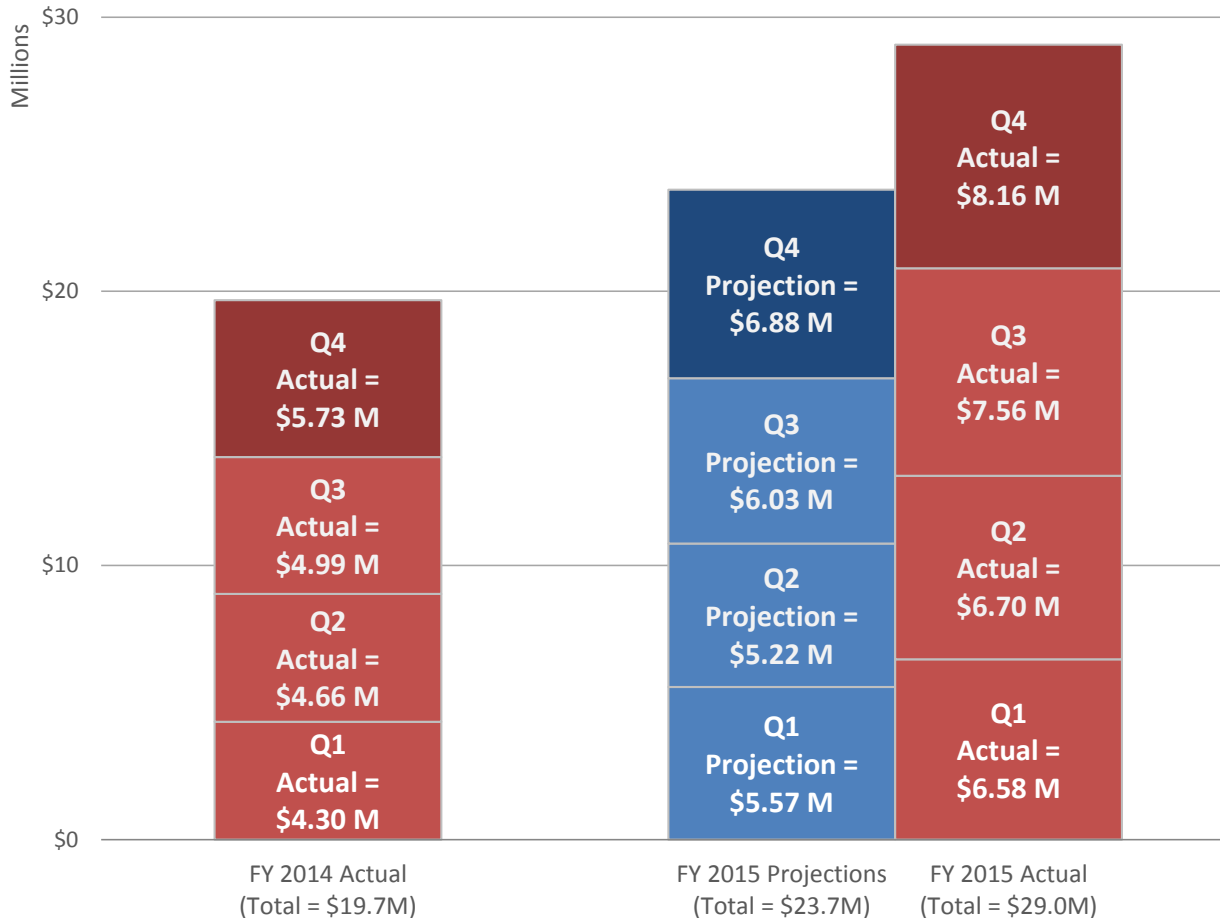
<sup>2</sup>Target monthly revenue data based on annualized numbers contained in the 2009 Certified Traffic and Revenue Report developed by CDM Smith

Note: The data provided in this Summary is unaudited and intended for use as general information only.



# TriEx Financial Update

## Revenue Forecast vs. Actual



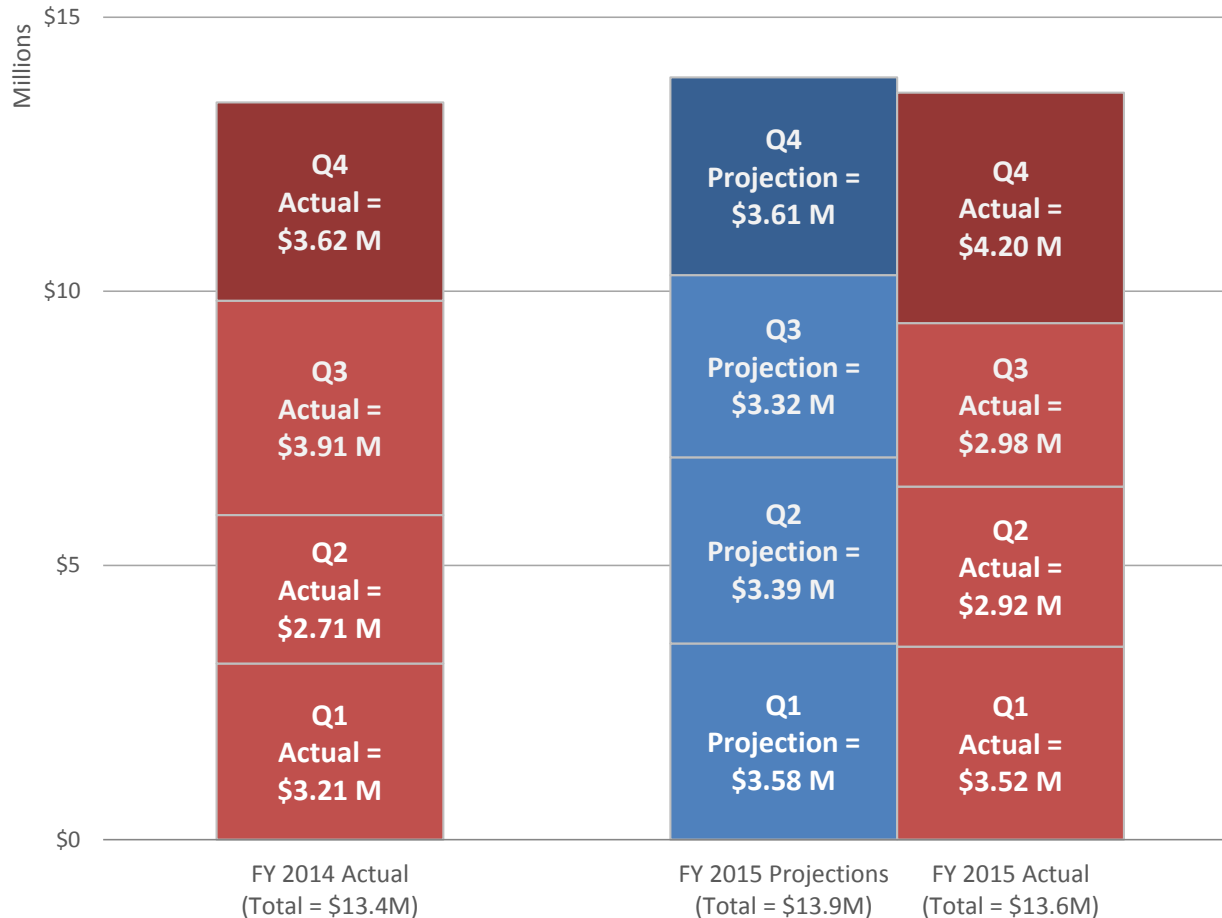
- FY 2015 Q4 revenues exceeded projections by approximately 19%

- FY 2015 revenue up approximately 47% year-over-year

- Revenue figures are inclusive of all toll revenue and fees, but exclude transponder revenues  
 - Actual Revenues reported on a cash basis

# TriEx Financial Update

## Projected Operating Expenditures vs. Actual



- FY15 operating expenditures 2% lower than projections
- FY 15 operating expenditures up 1.5% year-over-year

# FY 2015 - Fourth Quarter Update TriEx Customer Service

**Susan Pullium**

Director of Customer Service

# Customer Service Center Update

Year to Date (January - July)

154,805 = Triangle Expressway calls

12,898 = new transponder accounts

20,749 = transponders sold

11,151 = visitors to store front

19,268 = ferry calls

# Marketing Update

## Bill by Mail Inserts (June – August)



**Save money and time.**

**SAVE up to 35% and pay for tolls effortlessly!**  
Products are available for NC/FL/GA and all EZPass® states.

**It's as easy as 1-2-3**

- 1) Go to the [ncquickpass.com](http://ncquickpass.com) website and select the **PAY YOUR BILL** tab
- 2) Enter your invoice number and license plate to access your current Bill by Mail account.
- 3) Make this month's payment, and on the payment confirmation page, select **"CLICK HERE" CONVERT YOUR ACCOUNT**. No balance due? No problem! Select **"Get NC Quick Pass Transponder Account"** from the menu bar on the left to start the process once you are in your account.

**Start using a transponder today by converting your BILL BY MAIL account to an NC Quick Pass® account.**

You will need the following information:

- Credit Card Number
- Any Invoice Number
- License Plate Number—entered without a dash

# Durham Bulls Games (Apr. – Aug.)





# Cary Lazy Daze (August 22)



# Overdue Accounts Update

- DMV Hold Status (as of July 31, 2015)
  - 58,632 accounts placed on hold to date
  - 30,699 accounts paid to remove the hold
  - 27,933 remain on hold (\$4,147,749)
    - 61% tolls and processing fees
    - 39% civil penalties
- Collections Status (as of July 31, 2015)
  - 1,416 accounts in collections (\$477,846)
  - 382 accounts paid in full (\$228,113)



# Project Update Monroe Expressway

**Andy Lelewski, P.E.**

Director of Toll Road Operations



## Selected Alternative Monroe Expressway

NCDOT STIP Project No. R-3329/R-2559

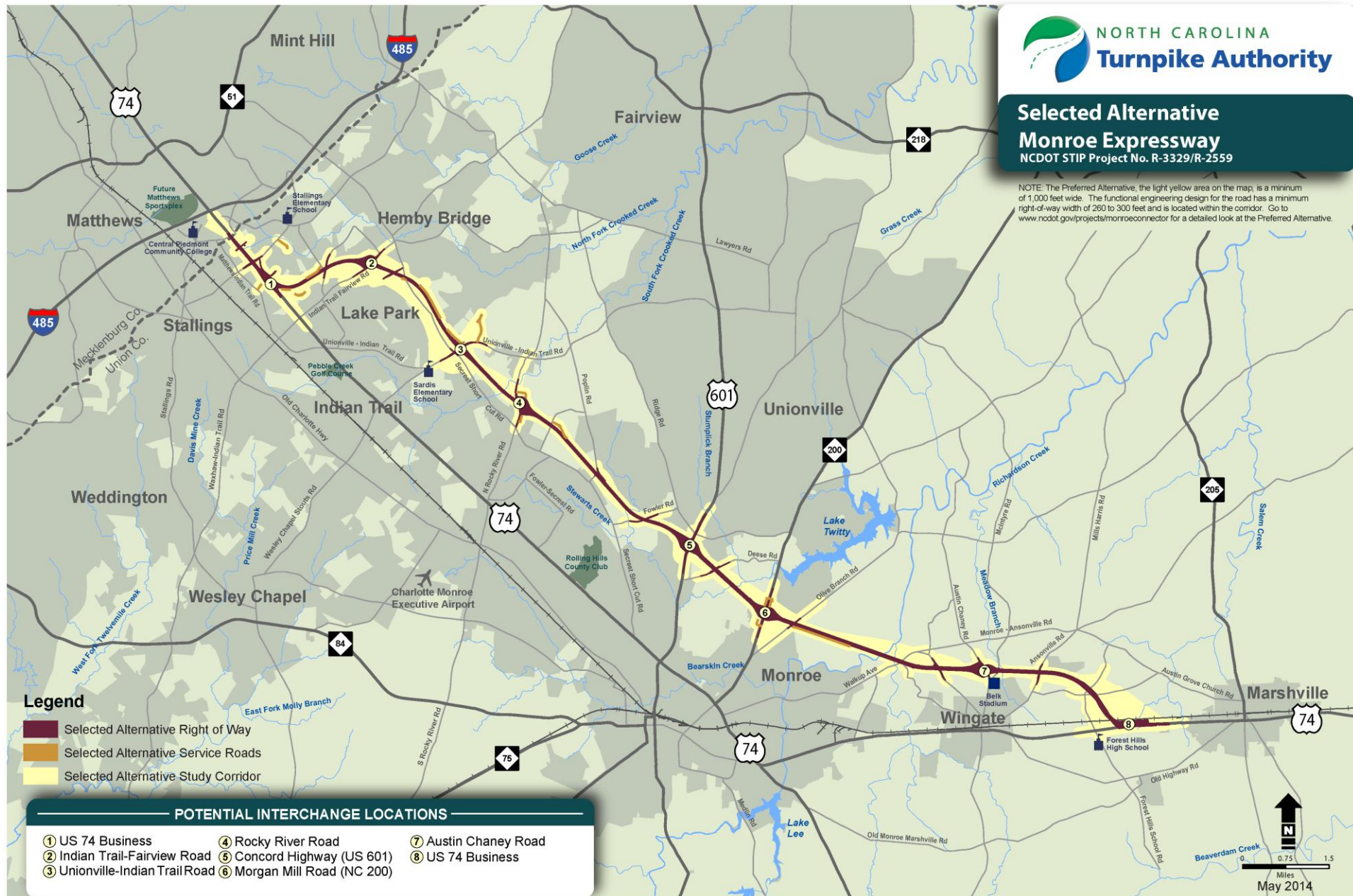
NOTE: The Preferred Alternative, the light yellow area on the map, is a minimum of 1,000 feet wide. The functional engineering design for the road has a minimum right-of-way width of 200 to 300 feet and is located within the corridor. Go to [www.ncdot.gov/projects/monroecorridor](http://www.ncdot.gov/projects/monroecorridor) for a detailed look at the Preferred Alternative.

### Legend

- Selected Alternative Right of Way
- Selected Alternative Service Roads
- Selected Alternative Study Corridor

### POTENTIAL INTERCHANGE LOCATIONS

- |                                |                             |                      |
|--------------------------------|-----------------------------|----------------------|
| ① US 74 Business               | ④ Rocky River Road          | ⑦ Austin Chaney Road |
| ② Indian Trail-Fairview Road   | ⑤ Concord Highway (US 601)  | ⑧ US 74 Business     |
| ③ Unionville-Indian Trail Road | ⑥ Morgan Mill Road (NC 200) |                      |



# Project Activities

- Project is under construction
- Other Activities
  - Updating 2010 Traffic & Revenue Study
  - Proceeding with Right of Way acquisition
  - Planning for Toll Collection System procurements
  - Planning for landscaping contracts
  - Planning for Operations

# Construction Update

**Rick Baucom, PE**

Assistant Division Construction Engineer

Division 10

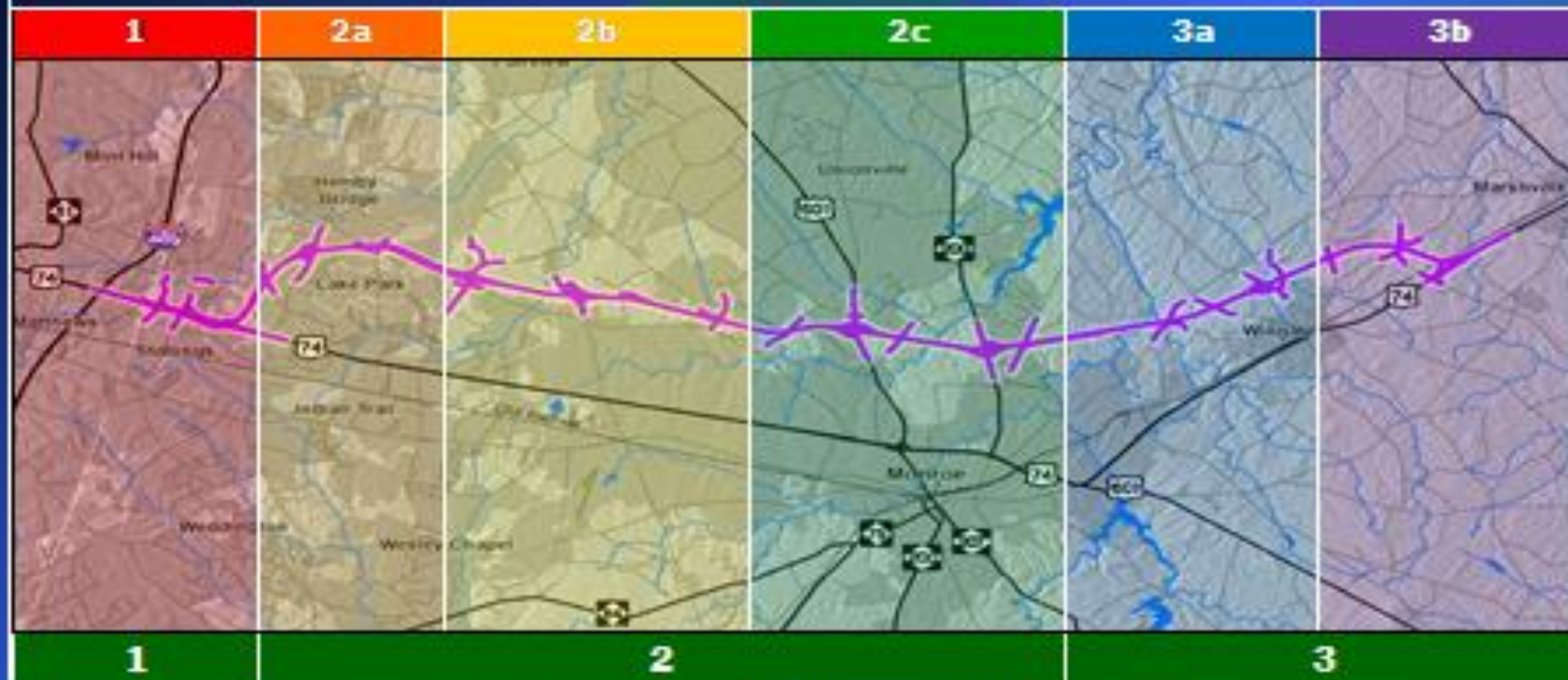
# Project Overview

- 20 mile long expressway
- 4 to 6 lanes wide (expandable to median)
- 37 bridges
- 21 box culverts
- 8 interchanges
- All-Electronic Tolling at 8 locations
- Current construction cost: \$449.4M



# Project Segments & Sections

## DESIGN SECTIONS



## CONSTRUCTION SEGMENTS

# Current Operations

- Clearing & grubbing/erosion control
  - almost complete in Section 3
  - starting in Section 2C (US 601 & NC 200)
- Box culverts/pipe – 2 crews in Section 3
- Utilities – UBO & UC in Section 3
- Grading – started in Section 3B (Phifer Road)

# Three Month Look-Ahead

- Clearing & grubbing/EC - expand thru Section 2 and Section 1
- Focus on interchanges/elevated section – utilities, detours, bridges
- Box culverts – add 2-3 more crews, work from east to west
- Grading – expand in Section 3 and focus on interchanges in Section 2

















Monroe Connector/Bypass  
July 27, 2015

# SCHEDULE: IMPORTANT DATES

- Toll Sites turned over to NCTA:  
→ July 31, 2018
- Substantial Completion:  
→ November 27, 2018
- Final Completion:  
→ May 28, 2019

# 2016 Triangle Expressway Toll Schedule

**Beau Memory**

Executive Director

# Toll Rate Schedule

## Triangle Expressway

- § 136-89.183 (Powers of the Authority)
- Toll Rate Policy adopted September 17, 2008
- Scheduled average toll rate increases:

|             |                |
|-------------|----------------|
| 2014 – 2016 | 5.0%           |
| 2017 – 2021 | 3.5%           |
| 2022 – 2036 | 3.0%           |
| After 2036  | 2.0% (or less) |

- Final 5% increase scheduled to take effect: January 1, 2016



Questions?